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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/624,556

07/23/2003

Yong-seok Yoon

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07/07/2006

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EXAMINER

HINDI, NABIL Z

ART UNIT

PAPER NUMBER

2627

DATE MAILED: 07/07/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/624,556	YOON ET AL.	
	Examiner	Art Unit	
	NABIL Z. HINDI	2627	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-34 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 17-20,23-26,29,30,33 and 34 is/are allowed.
- 6) ☒ Claim(s) 1-3,7-10,14-16,21,22,27,28,31 and 32 is/are rejected.
- 7) ☒ Claim(s) 4-6 and 11-13 is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date ____. | 6) <input type="checkbox"/> Other: ____. |

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-3, 7, 8-10, 14-16, 21, 22, 27, 28, 31 and 32 are rejected under 35 U.S.C. 102(b) as being anticipated by JP 11-328690.

The independent claims merely read on sampling the servo data by comparing and holding the address (header field) data during data tracking and seeking operation. The reference shows an optical disk reading apparatus having a header input signal being compared to a reference level 33, sampling and holding circuit to hold the header signal 32 meeting the claimed invention. The seek operation using a count signal predicated on a tracking signal is inherently present within the track seek operation.

With respect to the limitations of claims 3 and 10. The reference is drawn to reading an optical disks including DVD media.

With respect to the limitations of claims 7 and 16 and 22. The use of address information (header) for servo control and seek operation is notoriously well established in the art.

With respect to the limitations of claims 27, 28, 31 and 32. the use of an optical disk within a computer system such as CD-ROM, DVD-ROM...etc is known in the art.

With respect to the limitations of claims 2 and 9. the use of HPF is called for in the reference showing the use of LPF and HPF with the sampling circuit.

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Claims 4-6, and 11-13, objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.


None of the cited prior art shows or teaches comparing the sampled signal with a first and second levels and holding the first and second signals as claimed.

Claims 17-20, 23-26, 29, 30, 33 and 34 allowed.

None of the cited prior art shows or teaches an optical disk tracking servo outputting a corrected tracking signal which ignores the effect of a signal within the tracking signal representing the header signal field by holding an uncorrected tracking driving signal.

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. 6178145.

Any inquiry concerning this communication should be directed to NABIL Z. HINDI at telephone number (571) 272-7618.


NABIL HINDI
PRIMARY EXAMINER
GROUP 2500
2627